

**PATENT** 

## IN THE UNITED STATES PAT

Application No.:

10/579,067

Filing Date:

May 11, 2006

Applicant:

Yasushi KOBUCHI et al.

Group Art Unit:

Unassigned

Examiner:

Unassigned

Title:

**SEPARATOR** 

Attorney Docket:

2691-000044/US

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

June 14, 2006

**Mail Stop Amendment** 

#### INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

#### LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION I.

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form PTO-1449 attached hereto.

#### Π. **COPIES**

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each
publication or that portion which caused it to be listed, other than U.S. patents and U.S.
patent application publications unless required by the Office; (iii) for each cited
pending unpublished U.S. application listed below in Section IV, the application
specification including the claims, and any drawing of the application, or that portion of
the application which caused it to be listed including any claims directed to that portion;
and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form PTO-1449 or on the copies of Form PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:



III.

### U.S. Serial Number

## U.S. Filing Date

C. Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form PTO-1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form PTO-1449 are enclosed herewith.
D. This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form PTO-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))
CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)
A.   Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).
B. $\boxtimes$ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. $\S$ 1.98(a)(3)):
1. See the attached International Search Report dated 02/01/2005.
2. English abstracts are provided for: JP 08-180883, JP 2002-175818, JP 2003-297383, JP 02-168563, JP 06-163063, EP 0521830 A1, JP 09-199141, JP 2002-175818, JP 2002-237317, JP 63-28251, JP 10-092447, JP 63-289770, JP 2000-133290, JP 2000-243408, JP 2001-357859, JP 2001-351642, JP 2003-151572, JP 2000-138067 and JP 2001-307747.
3. Other:

C. The following additional information is provided for the Examiner's consideration.

JP 2002-175818 corresponds to US 2002/0086191A1, JP 6-163063 corresponds to EP 0521830 A1, JP 2000-243408 corresponds to US 6,383,678 and JP 2000-138067 corresponds to US 6,291,094.

# IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.					
	Serial No.	Filing Date	Art Unit		
<u>THIS</u>	IDS IS BEING FILED UNDE	<u>ER</u>			
A. 🔀	37 C.F.R. § 1.97(b): (check of	only one box)			
		the filing date of a national application under 37 C.F.R. § tification is required.			
		the date of entry of the national mational application (37 C.F.I			
	§ 1.97(b)(3)). No fee or cert Action on the merits has bee § 1.97(c) and see the certification	a first Office Action on the ification is required. In the even issued, please consider this ication under 37 C.F.R. § 1.9 charge our deposit account a .F.R. § 1.17(p).	ent that a first Office IDS under 37 C.F.R. 7(e) below; or, if no		
		a first Office Action after the fer 37 C.F.R. § 1.114. No fe			
B. 🗌 :	37 C.F.R. § 1.97(c): (check or	nly one box)			
		of either any Final Office Act ance under 37 C.F.R. § 1.31			
	1. No certification; there 37 C.F.R. § 1.17(p).	fore, a fee in the amount of \$1	80.00 is required by		
	2. See the certification be	elow. No fee is required.	•		
		•			

V.

C. 37 C.F.R. § 1.97(d):

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	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. a each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. § 1.704(d) below in section VII, if applicable; or
	B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. § 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a n patent office in a counterpart application and this communication was not received by dividual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this

VIII.	PAYMENT (	OF FEES (check only	one box)
	A. No fee	is believed to be due.	
	B. A chec	k in the amount of \$18	0.00 is enclosed for the above-identified fee.
		•	ont No. 08-0750 in the amount of \$180.00 for the py of this paper is attached.
or wh	sion that they coich would rendered	onstitute statutory prior der the same obvious,	ed only in the interest of candor and without any rart, contain matter which anticipates the invention, either singly or in combination, to a person of is Information Disclosure Statement shall not be as been made.
_	sted to consider		as been filed under the wrong rule, the PTO is oper rule (with a petition if necessary) and charge 08-0750.
§§ 1.1		e any additional fees of eposit Account No. 08-	or credit any overpayment pursuant to 37 C.F.R0750.
			Respectfully submitted,
			HARNESS, DICKEY, & PIERCE, P.L.C.
			By Collin, Reg. No. 41,060
			P.O. Box 8910 Reston, Virginia 20195 (703) 668-8000
DJD/ŀ	łRH:lmg		
Enclos	sures:	Form PTO-1449(s) (1) Documents International Search F Fee Other:	

### FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION E
(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET NO.	SERIAL NO.	
2691-000044/US	10/579,067	
APPLICANT		
Yasushi KOBUCHI et al.		
FILING DATE	GROUP	

Unassigned

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		2002/0086196 A1	07/04/2002	UTSUNOMIYA et al.		
		6,383,678 B1	05/07/2002	KANEKO et al.		
		6,291,094	09/18/2001	YOSHIMURA et al.		
		2001/0033957 A1	10/25/2001	NAKATA et al.		

May 11, 2006

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
		08-180883	07/12/1996	JAPAN		ABST.
		2002-175818	06/21/2002	JAPAN		ABST.
		2003-297383	10/17/2003	JAPAN		ABST.
		02-168563	06/28/1990	JAPAN		ABST.
		06-163063	06/10/1994	JAPAN		ABST.
= 5		0521830 A1	01/07/1993	EP		ABST.
		09-199141	07/31/1997	JAPAN		ABST.
		2002-175818	06/21/2002	JAPAN		ABST.
		2002-237317	08/23/2002	JAPAN		ABST.
		63-28251	02/5/1988	JAPAN		Partial Abst.
		10-092447	04/10/1998	JAPAN		ABST.
		63-289770	11/28/1988	JAPAN		ABST.
TI		2000-133290	05/12/2000	JAPAN		ABST.
		2000-243408	09/08/2000	JAPAN		ABST.
		2001-357859	12/26/2001	JAPAN		ABST.
		2001-351642	12/21/2001	JAPAN		ABST.
		2003-151572	05/23/2003	JAPAN		ABST.
		2000-138067	05/16/2000	JAPAN		ABST.
		2001-307747	11/02/2001	JAPAN		ABST.

Examiner:	Date Considered:



# PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 2

ATTORNEY DOCKET NO.	SERIAL NO.
2691-000044/US	10/579,067
APPLICANT	
Yasushi KOBUCHI et al.	
FILING DATE	GROUP
May 11, 2006	Unassigned

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)					
Ref. Desig.	Examiner's Initials				
		ISR 02/01/2005			

Examiner:	Date Considered: